

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/530,865
Source: 1Fw/P
Date Processed by STIC: 8/4/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/04/2006

PATENT APPLICATION: US/10/530,865

TIME: 12:36:50

Input Set : A:\541927 sequence listing.txt

Output Set: N:\CRF4\08042006\J530865.raw

```

3 <110> APPLICANT: Osaka Bioscience Institute
4     JAPAN AS REPRESENTED BY THE DIRECTOR-GENERAL OF
5     NATIONAL INSTITUTE OF INFECTIOUS DISEASES
7 <120> TITLE OF INVENTION: FLAVOPROTEIN FROM TRYPANOSOMA CRUZI, METHOD FOR SCREENING
8     EXTERMINATING AGENT FOR IT AND METHOD FOR DIAGNOSING INFECTION
9     THEREOF
11 <130> FILE REFERENCE: 664102
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/530,865
C--> 13 <141> CURRENT FILING DATE: 2005-04-11
13 <150> PRIOR APPLICATION NUMBER: JP 2002-299284
14 <151> PRIOR FILING DATE: 2002-10-11
16 <160> NUMBER OF SEQ ID NOS: 9
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 1140
20 <212> TYPE: DNA
21 <213> ORGANISM: Trypanosoma cruzi
23 <400> SEQUENCE: 1
24 atggcgacgt tccctgaact tctgcggccc ctcaaattgg ggcgctacac acttcgtaat    60
25 cggattatta tggctccctt gacgcgttgc caggcaacag aagatgatca tgtaccaagg    120
26 acggaatcga tgctgaagta ctacgaagac cgggcatctg caggtcttat cattgccgag    180
27 gcgacgatgg tccagccaaa ctacactggg ttcctcacgg agcctggcat ttactccgat    240
28 gcgcagattg aggagtggag aaagatcgtg gacgcggtac acaaaaaggg tggccttata    300
29 ttcctgcaac tcattcacgc tggtcgagcc gggattccgg agaagatcct tcagcagtcg    360
30 aagagtgacc aggatcccct tgctgggcgc ctgcttgccg cgagtgccat tcccattaag    420
31 gaccatcgga ttcctgccta ttttgctgcg agcggagaaa aggagaccta cgggtgtcca    480
32 gaggagctca cggatgacga agtccgggac ggtatcatcc cattgtttgt ggagggggcc    540
33 aaaaaacgcca tctttaaggc tgggtttgat ggcgttgaga ttcattggagc caacggctac    600
34 ttactggacg ccttttttcg cgaatcttcc aacaagcgcc agtccggtcc gtacgccgga    660
35 acgaccatcg acacacgatg ccaactcatc tacgatgtca ccaaaagcgt ctgcgatgcc    720
36 gtgggaagtg accgtgtggg gctccgcata tccccactaa acggcgtgca tgggatgatt    780
37 gactcgaacc cggaggcact aaccaagcat ctatgcaaga aaattgagcc actttcgctt    840
38 gcctatctgc attacttgcg tggcgacatg gtcaaccagc agattggtga cgttggtggc    900
39 tgggttcgtg gaagttacag cgggtgtaaaa atatccaact tgcgctacga tttcgaagag    960
40 gcagaccagc aaatacggga aggaaaagtc gacgccgtgg cttttggcgc caagttcatt   1020
41 gcgaaccccg atctcgttga aagggcccaa caaaactggc ccctcaacga gccgcgacca   1080
42 gaaacatact acacaagaac agcagtcgga tacaacgatt acccgacgta caacaaataa   1140
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 379
46 <212> TYPE: PRT
47 <213> ORGANISM: Trypanosoma cruzi
W--> 48 <400> SEQUENCE: 2
49 Met Ala Thr Phe Pro Glu Leu Leu Arg Pro Leu Lys Leu Gly Arg Tyr
50 1          5          10          15

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51 Thr Leu Arg Asn Arg Ile Ile Met Ala Pro Leu Thr Arg Cys Gln Ala
52          20          25          30
53 Thr Glu Asp Asp His Val Pro Arg Thr Glu Ser Met Leu Lys Tyr Tyr
54          35          40          45
55 Glu Asp Arg Ala Ser Ala Gly Leu Ile Ile Ala Glu Ala Thr Met Val
56          50          55          60
57 Gln Pro Asn Tyr Thr Gly Phe Leu Thr Glu Pro Gly Ile Tyr Ser Asp
58 65          70          75          80
59 Ala Gln Ile Glu Glu Trp Arg Lys Ile Val Asp Ala Val His Lys Lys
60          85          90          95
61 Gly Gly Leu Ile Phe Leu Gln Leu Ile His Ala Gly Arg Ala Gly Ile
62          100         105         110
63 Pro Glu Lys Ile Leu Gln Gln Ser Lys Ser Asp Gln Asp Pro Leu Ala
64          115         120         125
65 Gly Arg Leu Leu Ala Ala Ser Ala Ile Pro Ile Lys Asp His Arg Ile
66          130         135         140
67 Pro Ala Tyr Phe Ala Ala Ser Gly Glu Lys Glu Thr Tyr Gly Val Pro
68 145         150         155         160
69 Glu Glu Leu Thr Asp Asp Glu Val Arg Asp Gly Ile Ile Pro Leu Phe
70          165         170         175
71 Val Glu Gly Ala Lys Asn Ala Ile Phe Lys Ala Gly Phe Asp Gly Val
72          180         185         190
73 Glu Ile His Gly Ala Asn Gly Tyr Leu Leu Asp Ala Phe Phe Arg Glu
74          195         200         205
75 Ser Ser Asn Lys Arg Gln Ser Gly Pro Tyr Ala Gly Thr Thr Ile Asp
76          210         215         220
77 Thr Arg Cys Gln Leu Ile Tyr Asp Val Thr Lys Ser Val Cys Asp Ala
78 225         230         235         240
79 Val Gly Ser Asp Arg Val Gly Leu Arg Ile Ser Pro Leu Asn Gly Val
80          245         250         255
81 His Gly Met Ile Asp Ser Asn Pro Glu Ala Leu Thr Lys His Leu Cys
82          260         265         270
83 Lys Lys Ile Glu Pro Leu Ser Leu Ala Tyr Leu His Tyr Leu Arg Gly
84          275         280         285
85 Asp Met Val Asn Gln Gln Ile Gly Asp Val Val Ala Trp Val Arg Gly
86          290         295         300
87 Ser Tyr Ser Gly Val Lys Ile Ser Asn Leu Arg Tyr Asp Phe Glu Glu
88 305         310         315         320
89 Ala Asp Gln Gln Ile Arg Glu Gly Lys Val Asp Ala Val Ala Phe Gly
90          325         330         335
91 Ala Lys Phe Ile Ala Asn Pro Asp Leu Val Glu Arg Ala Gln Gln Asn
92          340         345         350
93 Trp Pro Leu Asn Glu Pro Arg Pro Glu Thr Tyr Tyr Thr Arg Thr Ala
94          355         360         365
95 Val Gly Tyr Asn Asp Tyr Pro Thr Tyr Asn Lys
96          370         375
98 <210> SEQ ID NO: 3
99 <211> LENGTH: 10
100 <212> TYPE: PRT

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101 <213> ORGANISM: Trypanosoma cruzi
103 <400> SEQUENCE: 3
104 Asn Arg Ile Ile Met Ala Pro Leu Thr Arg
105   1           5           10
107 <210> SEQ ID NO: 4
108 <211> LENGTH: 10
109 <212> TYPE: PRT
110 <213> ORGANISM: Trypanosoma cruzi
112 <400> SEQUENCE: 4
113 Asp His Arg Ile Pro Val Tyr Phe Ala Ala
114   1           5           10
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 10
118 <212> TYPE: PRT
119 <213> ORGANISM: Trypanosoma cruzi
121 <400> SEQUENCE: 5
122 Ile Ser Asn Leu Arg Tyr Asp Phe Glu Glu
123   1           5           10
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 30
127 <212> TYPE: DNA
128 <213> ORGANISM: Trypanosoma cruzi
130 <400> SEQUENCE: 6
131 cggaattcat ggcgacgttc cctgaacttc           30
133 <210> SEQ ID NO: 7
134 <211> LENGTH: 30
135 <212> TYPE: DNA
136 <213> ORGANISM: Trypanosoma cruzi
138 <400> SEQUENCE: 7
139 ccgctcgagt tatttggtgt acgtcgggta           30
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 22
143 <212> TYPE: DNA
144 <213> ORGANISM: Trypanosoma cruzi
146 <400> SEQUENCE: 8
147 atggcgacgt tccctgaact cc           22
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 21
151 <212> TYPE: DNA
152 <213> ORGANISM: Trypanosoma cruzi
154 <400> SEQUENCE: 9
155 ttatttggtg tacgtcgggt a           21

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VERIFICATION SUMMARY

DATE: 08/04/2006

PATENT APPLICATION: US/10/530,865

TIME: 12:36:52

Input Set : A:\541927 sequence listing.txt

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:48 M:283 W: Missing Blank Line separator, <400> field identifier